High Performance Computing Platform
2U 2-way SMP System

TA26-B3992-E

B3992T26V8H-E / B3992T26V8HR-E

AMD Opteron 64 | 45nm | Quad Core | DDPM | HT3 HyperTransport 3.0

Front View

Back View

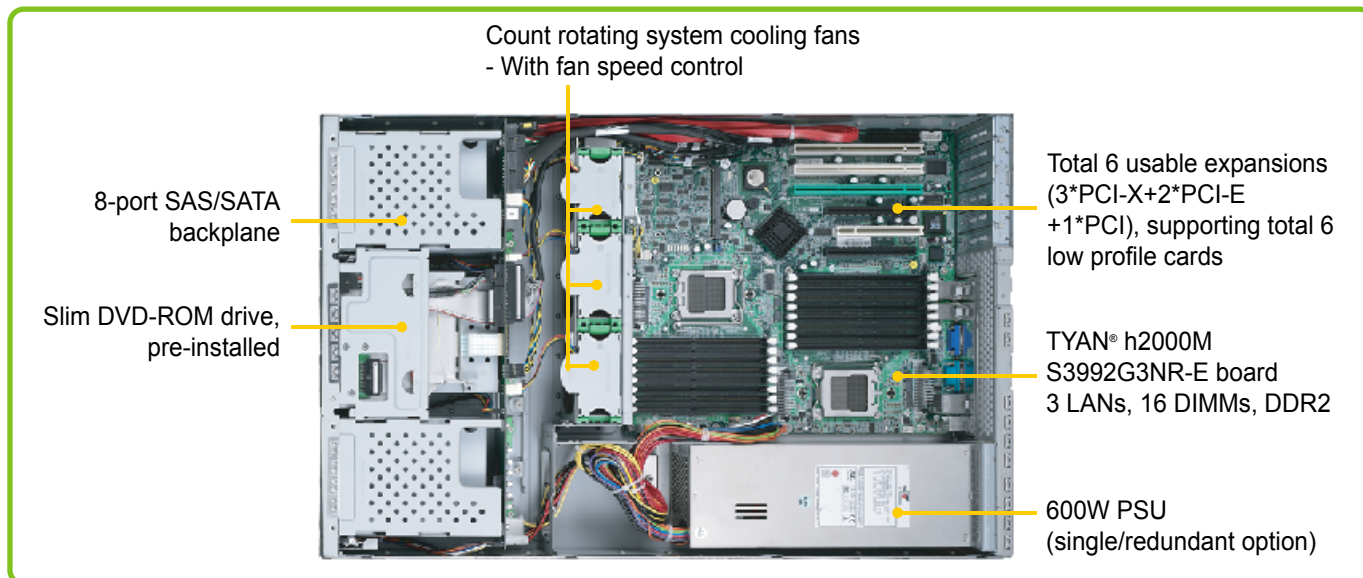## 2-way AMD Opteron™ platform designed for HPC and virtualization applications

- Dual LGA 1207-pin sockets support up to (2) AMD 45nm Quad-Core Opteron™ 2300 series processors
- Support AMD Dual Dynamic Power Management (DDPM) feature ServerWorks® HT-2000 + HT-1000
- (16) 240-pin DDR2 DIMM slots support up to 128GB registered DDR2 667/533/400 w/ ECC memory; up to 64GB registered DDR2 800 w/ ECC memory
- (2) Low-Profile PCI-E x16 slots (w/ x8 link)
- (2) Low-Profile PCI-X 64/133MHz slots
- (1) Low-Profile PCI-X 64/100MHz slot
- (1) Low-Profile PCI 32/33MHz slot
- (8) hot-swap 3.5" SATA-II HDDs w/ RAID 0, 1, 0+1, 5 support
  - 8-port SAS/SATA-II feature can be implemented by TYAN® M9000 TARO card or 3rd party add-on card
  - Required add-on card should be ORDERED SEPARATELY
- (2) GbE & (1) FE LAN
- (1) EPS2U 600W PSU w/ PFC (B3992T26V8H-E)
- (1+1) ERP2U 600W PSU w/ PFC (B3992T26V8HR-E)
- Optional TYAN® M3291 SMDC for IPMI v2.0 support

Model #	No. of HDD supported	Backplane	Power Supply
B3992T26V8H-E	(8) Hot-swap SATA-II	8-port SAS/ SATA	600W PSU
B3992T26V8HR-E	(8) Hot-swap SATA-II	8-port SAS/ SATA	600W, (1+1) RPSU

TA26-B3992-E

B3992T26V8H-E / B3992T26V8HR-E

Count rotating system cooling fans
- With fan speed control

8-port SAS/SATA backplane

Slim DVD-ROM drive, pre-installed

Total 6 usable expansions (3*PCI-X+2*PCI-E +1*PCI), supporting total 6 low profile cards

TYAN® h2000M S3992G3NR-E board 3 LANs, 16 DIMMs, DDR2

600W PSU (single/redundant option)

S P E C I F I C A T I O N S

Enclosure
· TYAN® TA26 industry standard 19" rack-mountable 2U chassis
  - (1) slim DVD-ROM bay
  - (8) 3.5" hot-swap HDD bays
· Dimension
  - H3.4" x W16.7" x D26"
  - H86.36mm x W424.18mm x D660.4mm

Processors
· Dual LGA 1207 sockets
· Support up to (2) AMD 45nm Quad-Core Opteron™ 2300 series processors
· Support 4.4GT/s HyperTransport™ inter-processor link
· Support AMD Dual Dynamic Power Management (DDPM) feature

Chipset
· nVIDIA nForce® Professional 3600 (NFP 3600)
· SMSC SCH4307 Super I/O chip

Memory
· Dual-channel memory bus
· (16) 240-pin DDR2 DIMM slots
· Support up to 128GB registered DDR2 667/533/400 w/ ECC memory
· Support up to 64GB registered DDR2 800 w/ ECC memory

Expansion Slots
· (2) Low-Profile PCI-E x16 slots (w/ x8 link)
· (2) Low-Profile PCI-X 64/133MHz slots
· (1) Low-Profile PCI-X 64/100MHz slot
· (1) Low-Profile PCI 32/33MHz slot
· Total (6) expansion slots

Integrated 2D / 3D PCI Graphics
· ATI ES1000 graphic controller
· PCI interface

Server Management
· Optional TYAN® M3291 SMDC
· IPMI v2.0 compliant

BIOS
· AMI BIOS on 8Mbit LPC Flash ROM
· Support ACPI 2.0
· Serial Console Redirect
· User configurable H/W monitoring
· PXE via Ethernet, USB device boot
· PnP, DMI 2.0, WfM 2.0 Power Management
· 48-bit LBA support

Integrated LAN Controller
· Broadcom BCM5714 GbE LAN controller (integrated in HT-2000)
· Intel® 82551QM 10/100 FE LAN controller
· Total (3) RJ-45 LAN ports

Motherboard
· B3992T26V8H-E / B3992T26V8HR-E
  - TYAN® S3992G3NR-E

Power Supply
· EPS2U 600W PSU w/ PFC (B3992T26V8H-E)
· ERP2U (1+1) 600W PSU w/ PFC (B3992T26V8HR-E)
· 100V~240V full-range AC input

Rear Panel I/O Ports
· (1) stacked PS/2 connectors for mouse and keyboard
· (1) stacked 2-port USB 2.0 and 1-port RJ-45 connectors
· (1) DB-9 serial port
· (1) D-sub VGA port
· (2) side-by-side RJ-45 connectors

Front Panel Features
· I/O
  - (2) USB 2.0 ports
· LED indicators
  - Power LED
  - (2) LAN LEDs
  - HDD Active LEDs
  - ID LED
  - Warning LED
· Switches
  - Power
  - Reset
  - ID

Storage
· B3992T26V8H-E / B3992T26V8HR-E
  - Integrated SATA-II controller in HT-1000
  - (4) hot-swap 3.5" SATA-II HDDs w/ RAID 0, 1, 0+1, 5 support
  - 8-port SAS/SATA-II feature can be implemented by TYAN M9000 TARO card or 3rd party add-on card
  - Required add-on card should be ORDERED SEPARATELY
· Pre-installed slim type DVD-ROM for both SKUs

System Cooling
· (2) 80mm x 80mm x 38mm 5,700rpm heavy-duty fans with fan speed monitor and control
· (1) 60mm x 60mm x 38mm 8,000rpm heavy-duty fans with fan speed monitor and control
· (2) Active CPU Heatsink

Environment Temperature
· Operating temperature 5°C~35°C
· Non-operating temperature -40°C~70°C

Regulatory
· FCC Class B (Declaration of Conformity)
· CE (Declaration of Conformity)

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